All communications should be addressed to:

THE DEPUTY COMMONWEALTH STATISTICIAN, BOX 1433J, G.P.O., ADELAIDE.

TELEPHONE: 83 69



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

In reply quote No.

EIGHTH FLOOR,
DA COSTA BUILDING,
68 GRENFELL STREET,
ADELAIDE.

RURAL PRODUCTION

SOUTH AUSTRALIA

YEAR ENDED 31ST MARCH 1961

This bulletin summarizes detailed information published in Bulletins No. 17, "Livestock Statistics", and No. 18, "Cereal Statistics", recently issued from this Bureau, and shows in addition particulars concerning areas and yields of other crops, rural employment, use of artificial fertilizers, machinery on rural holdings, and direct oversea exports of rural produce. It also lists some South Australian records associated with rural production.

AREA AND
UTILIZATION
OF HOLDINGS

The total area of holdings has again increased - by over 1,000,000 acres in 1960/61, the increase being mostly in pastoral areas. The total area of crops reached 4,966,105 acres in 1960/61, more than 800,000 acres greater than the recent maximum area under crops in 1958/59. This area has been exceeded only in the years 1930/31, 1931/32, and 1932/33, the record area attained being over 5,200,000 acres in 1930/31.

The area under cereals for grain has increased from 3,129,000 acres in 1956/57 to 4,083,000 acres in 1960/61. This area is the largest since the nineteen-thirties, the record area of over 4,650,000 acres being sown in the 1930/31 season.

The area of sown pastures has increased steadily from 4,253,000 acres in 1956/57 to the record area of 4,598,000 acres in 1960/61, the previous record being 4,349,000 acres in 1957/58.

TABLE 1 - AREA AND UTILIZATION OF RURAL HOLDINGS : SOUTH AUSTRALIA

	1956/57	1957/58	1958/59	1959/60	1960/61
			1000 Acres		and the second s
Cereals for grain Field Peas (grain) Hay Green Fodder Vineyards Orchards Vegetables (a) Other Crops	3,129 31 299 367 57 34 19 43	3,009 37 291 425 57 35 18 34	3,278 33 420 26 5 57 37 18 40	3,383 27 245 261 57 37 16	4,083 26 393 313 57 38 17
Total Crops	3,979	3,906	4,148	4,059	4,966
Sown Pastures - Lucerne Clover & other Fallow Land Balance of Holdings Total Holdings	294 3,958 909 140,791 149,931	327 4,022 753 143,037	289 3,909 954 143,012 152,312	341 3,275 726 147,036	432 4,166 1,045 145,847

⁽a) Excludes areas of vegetables grown for stock fodder or seed other than potatoes grown for seed.

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RURAL EMPLOYMENT The following table shows for each of the last three years the number of persons employed in March and the value of wages paid (including keep where applicable) during the twelve months ended 31st March.

TABLE 2 - RURAL EMPLOYMENT (a): SOUTH AUSTRALIA

	1959		1960		1961	
	Males	Females	Males	Females	Males	Females
Permanent Workers	e Principal des Migratinations est expression de la seconda de la second			in diese voorliegende voorsteel de senande opgeleer de ziele voorsteels voorsteels voorde de senande de ziele v		
Owners, Occupiers, etc. Unpaid relatives Paid employees Wages paid £'000 Temporary Workers (b)	23,329 3,270 8,369 5,712	2 , 192 848 585 224	23,022 2,690 8,059 5,629	1,473 519 592 236	23,403 2,626 7,926 5,730	1,223 522 551 235
Paid employees Wages paid £:000	17,455 4,978	4,649 335	17,308 4,870	4,638 349	17,116 (c) 4,206	4 , 626 366

⁽a) Excludes females engaged mainly in domestic duties and other workers engaged only part time.

(b) Working full time during period of engagement.

ARTIFICIAL FERTILIZERS USED The increase in area under crop and pasture in 1960/61 (as shown in Table 1) was matched by a corresponding increase in the area fertilized during 1960 (see Table 4). The 200,000 tons of superphosphate used on crops included 12,000 tons with trace elements while 27,000 tons with trace elements were included in the 188,000 tons used on pastures.

TABLE 3 - PRINCIPAL CROPS AND PASTURE FERTILIZED: SOUTH AUSTRALIA, 1960

	Area	Fertilizers	Used	Total
	Fertillized.	Superphosphate	Other	per acre
	Acres	Tons	Tons	lb.
Wheat (all purposes) Vegetables Fruit and Vines Other Crops	1,922,641 13,199 48,328 2,341,934	84,534 3,092 3,454 108,511	418 3,158 5,636 584	99.0 1,060.7 421.3 104.3
Total Crops	4,326,102	199,591	9,796	108.4
Pastures	3,299,766	188,202	1,502	128.8
Grand Total	7,625,868	387,793	11,298	117.2

The area of pastures top-dressed increased every year between 1943 (704,950 acres) and 1957 (4,005,002 acres), but during the last three years has decreased to 3,299,766 acres. The area of crops fertilized in 1960 was 18 per cent more than in 1959 and the greatest since 1933/34.

TABLE 4 - CROPS FERTILIZED AND PASTURES TOP-DRESSED : SOUTH AUSTRALIA

	Unit	1957	1958	1959	1960
Crops fertilized Fertilizer used Cropped area fertilized Fertilizer per acre	'000 acres	3,463	3,692	3,679	4,326
	ton	182,248	192,168	188,733	209,387
	//	88.6	89.0	90.6	87.1
	lb.	117.9	116.6	114.9	108.4
Pastures fertilized	'000 acres	4,005	3,716	3,471	3,300
Fertilizer used	ton	236,291	218,728	202,895	189,704
Fertilizer per acre	lb.	132.2	131.9	130.9	128.8

⁽c) Excludes payments for construction or development work.

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AREA AND YIELD OF CROPS The following tables show details of areas and yields of the principal crops grown in South Australia during 1960/61 compared with similar details for previous years.

As shown in Bulletin No. 18 of 1961, "Cereal Statistics", the yields of cereals, hay, and field peas, were all considerably greater in 1960/61 than in the very low rainfall year of 1959/60, the combined yield of wheat, barley, and oats, exceeding 100 million bushels for the first time.

TABLE 5 - CEREALS AND HAY: AREA AND YIELD, SOUTH AUSTRALIA

	Unit	1956/57	1957/58	1958/59	1959/60	1960/61
Wheat -						
Area for grain	1000 acres	1,438	1,331	1,407	1,549	1,969
Yield	1000 bush.	31,432	14,914	32,032	11,929	46,396
Yield per acre	bush.	21.85	11.20	22.76	7.70	23.56
Barley -	The second secon			from long w	1010	23.70
Area for grain	1000 acres	1,222	1,212	1,332	1,290	1,556
Yield	1000 bush.	34,003	17,552	37,664	11,857	42,233
Yield per acre	bush.	27.83	14.48	28.27	9.19	27.15
Oats -	Park.			ton - v ton 1	, , ,	210.7
Area for grain	1000 acres	427	427	481	505	512
Yield	1000 bush.	8,318	3,423	11,992	2,504	11,478
Yield per acre	bush.	19.47	8.01	24.93	4.95	22.41
Rye -						
Area for grain	'000 acres	42	39	57	37	46
Yield	1000 bush.	252	152	446	125	264
Yield per acre	bush.	6.01	3.91	7.81	3.35	5.73
Field Peas -	-			at the state) . , ;
Area for grain	1000 acres	30	37	34	27	26
Yield	1000 bush.	633	188	518	58	358
Yield per acre	bush.	20.75	5.07		1	
						1341.
Area	1000 acres	299	291	420	245	393
Yield	1000 tons	453		1		616
Yield per acre	ton				1	1
Hay (all Kinds) - Area	1000 acres 1000 tons	299		15.44 420 672 1.60	2.17 245 206 0.84	13.7

Vegetable production in 1960/61 showed some noticeable differences from figures for 1959/60, principally increased yields of green peas (67 per cent) and tomatoes (17 per cent) and decreased yields of potatoes (17 per cent) and french beans (14 per cent).

TABLE 6 - VEGETABLES (a): AREA AND PRODUCTION, SOUTH AUSTRALIA

	Acı	res	PROF that the filtration and the provide an absolute and a section was already be entire under which a section	Yields	er Magerland verderstette ett nurer happette optischtigtstepen der betreetigen te spenderen en - de spield e de spe
	1959/60	1960/61	Unit	1959/60	1960/61
Beans - French Beetroot Cabbage Carrots Cauliflowers Celery Lettuce Onions Parsnips Peas - Green Potatoes (b) Pumpkins etc. Tomatoes Turnips All other	331 130 382 314 506 232 396 641 82 4,749 5,872 822 978 252 586	318 140 380 305 450 331 404 657 70 5,908 5,209 949 1,253 265 670	bush. ton doz. ton doz. crate case ton ton bush. ton bush. ton	62,733 1,035 168,956 4,044 184,491 212,431 212,412 5,644 738 231,231 48,923 4,700 519,700 1,618	54,221 1,044 168,606 4,001 196,029 194,469 215,291 5,947 660 385,761 40,797 5,556 609,059 1,660
Total	16,273	17,309	-		навишто инпосициално инпостория по отверсия в постория в постория постория в постория в постория в постория в В постория в

⁽a) Vegetables grown for human consumption. Excludes vegetables grown for stock fodder or seed (see also footnote (b)).

⁽b) Includes potatoes grown for seed.

64.54 56.55 56.55 205.1 201.1 21.1

The area under vines (bearing and non-bearing) reached a peak of 62,121 acres in 1953/54 and has declined to 56,897 acres (52,914 acres bearing and 3,983 acres non-bearing) in 1960/61. Particulars below are for bearing vines only.

TABLE 7 - VINEYARDS : AREA AND PRODUCTION, SOUTH AUSTRALIA

	Acres 1	bearing		Yields	
	1959/60	1960/61	Unit	1959/60	1960/61
Vines - Wine making Table use Drying	40,772 223 12,765	42,287 269 10,358	ton ton ton	114,064 1,085 42,126	135,174(b) 1,067 39,249(b)
Total	53,760	52,914		157,275	175,490(ъ)
Produce - Wine (a) Currants Sultanas Raisins	- - -	 - -	OOO gal. cwt cwt cwt	21,576 56,880 128,680 55,160	24,724(b) 89,920(b) 115,460(b) 18,900(b)

⁽a) Excludes liquid gallons of spirits added to fortified wine.

The total area of orchards has been increasing steadily in recent years, and successive records have been established in 1956/57 (33,998 acres), 1957/58 (35,295 acres), 1958/59 (37,237 acres), 1959/60 (37,355 acres), and 1960/61 (37,711 acres).

TABLE 8 - ORCHARDS : BEARING TREES AND YIELD, SOUTH AUSTRALIA

	Bearing	Trees		Yield	the state of the s
	1959/60	1960/61	Unit	1959/60	1960/61
Almonds	295,844	290,178	cwt	14,571	15,452
Apples	554,026	555,190	bush.	1,266,467	1,253,706
Apricots	357,413	356,750	bush.	698,116	755,560
Cherries	50,930	52,603	bush.	45,992	45,730
Citrus -					
Lemons, Limes	19,317	19,604	bush.	31,925	39,338
Navel Oranges	310,562	312,060	bush.	850,294	816,484
Valencia Oranges	287,909	293,721	bush.	734,744	686,400
Other Citrus	54,101	53,404	bush.	155,728	180,626
Figs	16,557	15,893	bush.	24,278	20,633
Nectarines	17,955	16,606	bush.	35,395	28,486
Olives	36,710	35,825	cwt	17,500	(a) 3,687
Peaches	282,381	298,364	bush.	688,803	573,086
Pears	157,667	154,766	bush.	430,501	337,332
Plums, Prunes	111,248	108,728	bush.	109,224	123,375

⁽a) Preliminary.

BEEKEEPING

The production of honey and beeswax fluctuates considerably from year to year, depending upon seasonal conditions. The average yield of honey per productive hive in 1960/61 was 93.9 lb. Details of beekeeping are

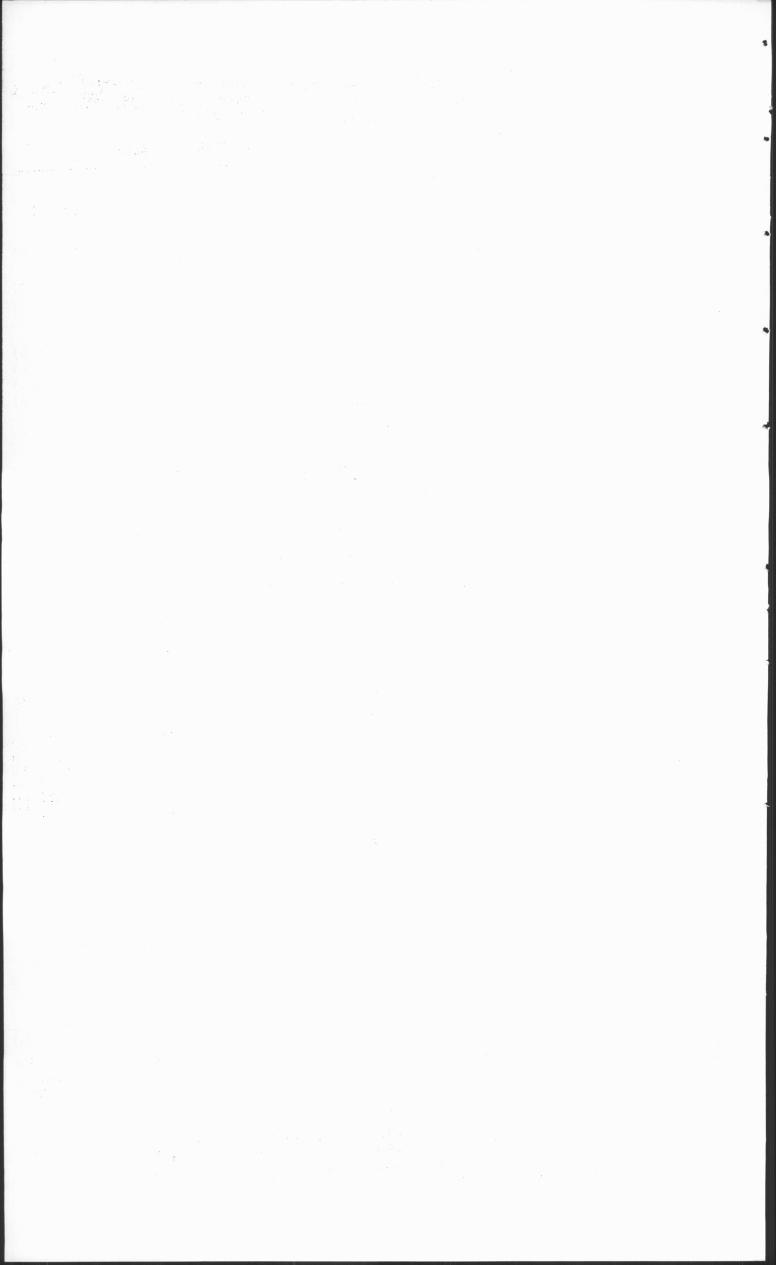
shown below:-

TABLE 9 - BEEKEEPING : HIVES AND PRODUCTION, SOUTH AUSTRALIA

1	The second secon					
		1956/57(a)	1957/58(a)	1958/59(a)	1959/60(a)	1960/61(a)
P	Beekeepers Productive Hives Inproductive Hives	817 74,137 12,695	936 56,245 27,831	838 56,478 16,569	823 59,242 11,504	838 47,298 18,658
		lb.	lb.	lb.	lb.	lb.
1	loney Beeswax	8,169,504 116,305	4,150,911 86,488	5,452,852 80,173	7,220,602 106,211	4,442,217 59,227

⁽a) Excludes particulars for producers having less than 5 hives.

⁽b) Preliminary.



During the year ended 31st March 1961 increases occurred in the number of sheep (6.6 per cent), beef cattle (20.4 per cent), dairy cattle (3.3%), and pigs (32.2 per cent). More pigs, but considerably fewer sheep, lambs, and cattle, were slaughtered than in 1959/60. Wool production was very much less than for the year ended 31st March 1960, but production of milk and butter increased.

TABLE 10 - LIVESTOCK : NUMBERS AND PRODUCTION, SOUTH AUSTRALIA

				agton-standardon de la companya de l	
Numbers at	1956/57	1957/58	1958/59	1959/60	1960/61
end of year	1000	1000	1000	1000	1000
Sheep Cattle -	14,984	15,237	15,634	14,025	14,952
Dairy Cows (a) Other Dairy Beef Horses Pigs Poultry	195 71 356 41 92 N•A•	191 68 338 36 108	188 61 328 33 98	170 70 260 30 109	170 77 313 27 144
Lembing	IV • M •	N.A.	1,322	1,857	1,966
Ewes mated Lambs marked	6,142 4,910	6,568 5,056	6,010 4,572	6,746 5,245	5,79 7 4,192
Slaughterings		A. Deline deline del la constante del la	# :		
Sheep Lambs Cattle and Calves Pigs	1,254 1,075 252 124	1,894 1,384 283 175	1,760 1,385 287 179	2,236 1,663 238 171	1,573 1,211 174 183
Production	1000 lb.	1000 lb.	'000 lb.	1000 lb.	*000 lb.
Wool Clip Wool Production (b) Butter Cheese Bacon and Ham	175,274 188,808 19,260 26,787 7,295	168,194 185,843 16,061 23,510 6,997	170,645 186,842 16,103 25,088 6,875	180,236 198,289 14,151 24,483 6,979	162,876 (c) 178,676 (c) 15,632 (c) 28,345 (c) 6,830
	1000 gal.	'000 gal.	1000 gal.	1000 gal.	1000 gal.
Milk	89,900	80,600	82,070	78,484	(c) 86,185

(a) Includes cows "in milk" and "dry" and "springing" heifers.

(b) Includes wool exported on skins and dead and fellmongered wool.

(c) Preliminary.

N.A. Not available.

MACHINERY

Numbers of principal machines on rural holdings at 31st March in each of the last 5 years are shown in the following table:-

TABLE 11 - MACHINERY ON RURAL HOLDINGS : SOUTH AUSTRALIA

	1957	1958	1959	1960	1961
		1	Number		-through-moustannapataranamanga-dap-aanah-oogadan oo - oo-coogara-oo-coorsinga-oo
Tractors - Wheeled Crawler Rotary Hoes Fertilizer Distributors Drills and Combines Harvesters etc. Hay Presses Hay Balers Milking Machines - No. Units Shearing Machines - No. Stands	22,826 3,186 3,414 6,683 18,427 13,030 796 1,984 7,208 16,740 12,690 23,373	24,100 3,188 3,507 6,895 18,452 13,024 689 2,184 7,344 17,206 13,280 24,697	25,342 3,190 4,015 7,545 19,278 13,053 715 2,732 7,537 17,777 13,778 25,586	25,774 3,191 4,106 7,695 19,608 13,006 700 2,941 7,575 17,920 13,973 26,049	27,269 3,405 4,620 8,000 19,760 (a) 12,858 719 3,422 7,589 18,235 14,317 26,568

⁽a) Preliminary.

PRODUCTION RECORDS

New records were established in the 1960/61 season for total yield of barley, yield per acre of wheat, and area under sown pastures.

TABLE 12 - RURAL INDUSTRY : RECORD PRODUCTION, NUMBERS, ETC. - SOUTH AUSTRALIA

Item	Unit	Quantity	Year	Item	Unit	Quantity	Year
Cereals				Livestock	or or in the control of the control		and anticome a confluence of the confluence of t
Total yield -	100			Numbers			
Wheat	1000 bush.		1931/32	Sheep	1000	15,634	1958/59
Barley	1000 bush.		1960/61	Beef cattle	1000	356	1956/57
Oats	1000 bush.	11,992	1958/59	Dairy cattle	1000	269	1954/55
Yield/acre -		1		Horses	1000	284	1912/13
Wheat (a)	bush.	23.56	1960/61	Pigs	1000	190	1939/40
Barley (a)	bush.	28.27	1958/59	The same of the sa			170714-
Oats (a)	bush.	24.93	1958/59	Production	are agreed to	To a particular de	
Vineyards				Wool -	*000 77	100 -26	10-0/60
Grapes	ton	215,736	1952/53	Clip	1000 lb.	180,236	1959/60
Currants	cwt	209,140	1992/93	Production	'000 lb.	198,289	1959/60
Raisins	cwt	117,505	1943/44	Lambs marked	1000		1959/60
Sultanas	cwt	333,300		Butter	1000 lb.	22,938	1939/40
Wine	1000 gal.	26,400	1943/44 1957/58	Cheese	1000 lb.	29,347	1954/55
	ooo gar.	20,400	1951/50	Bacon & ham	!000 lb.	11,735	1945/46
Orchards				Honey	1000 lb.	10,906	1948/49
Almonds	cwt	17,937	1949/50	Area under -			
Apples	1000 bush.	1,750	1940/41	Crop	1000 acres	5,426	1930/31
Apricots	1000 bush.	776	1956/57	Fallow	1000 acres		1932/33
Oranges	1000 bush.	1,760	1957/58	Sown pastures	1000 acres		1960/61
Pears	1000 bush.	431	1959/60	also .		1,77	1,500,01

⁽a) Slightly greater yields per acre were recorded from small acreages over 100 years ago.

DIRECT OVERSEA EXPORTS The following table shows the quantities of principal rural products exported overseas from South Australian ports during the last five years; OVERSEA TRADE VIA OTHER STATES IS EXCLUDED.

TABLE 13 - RURAL PRODUCTS : PRINCIPAL OVERSEA EXPORTS, SOUTH AUSTRALIA

Commodity	Unit	1956/57	1957/58	1958/59	1959/60	1960/61 (a)
Butter Cheese Eggs - In Shell Not in Shell Fruit, Dried - Currants Raisins Other Fresh - Apples Preserved, Pulped Flour (including Semolina) Grain - Wheat Barley Oats Honey Meat (Lamb) Sheep Skins	1000 lb. 1000 doz. 1000 lb. 1000 lb. 1000 lb. 1000 lb. 1000 lb. 1000 bush. 1000 bush. 1000 bush. 1000 lb. 1000 lb.	2,429 9,259 1,357 2,159 5,569 19,665 1,322 249 13,826 87,202 20,121 18,709 1,845 1,738 13,471 2,236	968 5,800 1,301 1,960 8,037 22,167 1,010 353 13,099 56,650 14,748 17,592 454 3,717 16,732 3,425	1,039 8,972 323 278 8,111 22,324 2,344 222 9,543 54,089 14,386 17,683 2,107 1,116 21,475	1959/60 596 8,976 55 5,171 14,802 4,341 364 16,745 59,670 11,161 13,705 18 2,517 12,145 4,213	1960/61 (a) 607 11,164 79 546 6,485 13,169 4,150 245 15,382 72,434 23,912 22,432 406 3,200 10,079 2,977
Wine Wool - Greasy Other	'000 gal	1,571 134,434 11,525	1,401 117,256 11,256	1,671 132,347 12,781	1,676 132,704 13,035	1,814 133,152 10,300

⁽a) Preliminary.

Commonwealth Bureau of Census & Statistics, ADELAIDE.

29th September 1961.

D.L.J. Aitchison

DEPUTY COMMONWEALTH STATISTICIAN